

कृषि विज्ञान (अधिकतम स्तर) पदको खुला प्रतियोगितात्मक परिक्षाको पाठ्यक्रम

1. **Current Status of Agriculture Sector in Nepal** 4 %
  - 1.1 Overview of Nepalese agriculture: Current status and scope
  - 1.2 Institutional arrangement of agricultural research, extension and education in Nepal
  - 1.3 Responsibilities of the Ministry of Agriculture and Livestock Development, Bagamati province
  - 1.4 Organizational structure of Ministry of Agriculture and Livestock Development, Bagamati province
2. **Agriculture Research, Extension and Education** 6%
  - 2.1 Role of agriculture research in contemporary agriculture
  - 2.2 Agricultural education systems in Nepal
  - 2.3 Major functions of agriculture research, extension, and education in Nepal
  - 2.4 Linkage and coordination among research, extension, and teaching in Nepal
  - 2.5 Participatory technology development, participatory planning, monitoring, evaluation and feedback
3. **Natural Resource, Environment Conservation, Climate Change and Disaster-Risk Management** 10%
  - 3.1 Use of fertilizers and pesticides in agriculture and their implications to environment
  - 3.2 Integrated pest, crop, and plant nutrient management systems ( IPM, ICM, IPNM ) and Good Agricultural Practices (GAP)
  - 3.3 Organic agriculture, and organic products for export promotion and food safety
  - 3.4 Climate change and its impact in agriculture sector
  - 3.5 Climate change adaptation and mitigation strategies of Nepal
  - 3.6 Crop insurance in Nepal: Current policies and status
4. **Legislations, Plan, Policies, Strategies in Agriculture** 20%
  - 4.1 Agriculture sector in current constitution
  - 4.2 Concept, goals, target and strategies of current periodic plan
  - 4.3 Planning, implementation, monitoring and evaluation of agricultural projects
  - 4.4 National Agriculture Policy, 2061 (2004)
  - 4.5 Agriculture Development Strategy (ADS), 2015-2035 AD: vision, mission, target, components and its salient features, implementation status of ADS, supporting projects and institutional arrangement
  - 4.6 Provincial Seeds Act, 2076
  - 4.7 Agriculture Sector in First Provincial Periodic Plan of Bagamati Province(2076/77-2080/81
  - 4.8 Transformation Roadmap for Agriculture, Livestock and Fisheries Sector in Bagamati Province, 2078
  - 4.9 Agriculture sector in Common Minimum Program, 2078 of Bagamati Provincial Government



4.7 Plant Protection Act, 2064 (2007) and Plant Protection Rules, 2066 (2010)

4.8 Pesticides Management Act, 2076 (2019) and Regulation

4.9 Chemical Fertilizer Distribution Directives, 2077

**5. Agricultural Technology and Management 60%**

5.1 Package of Cultivation practices: Major cereals, Vegetables, Fruits, Oilseed, Grain Legumes and Flowers

5.2 Disease and Insect Pest and its Management: Major cereals, Vegetables, Fruits, Oilseed, Grain Legumes and Flowers

5.3 Seed quality assurance: Seed production, laboratory testing, processing, handling, marketing and storage

5.4 Food and nutrition security: Concepts, status and dimensions

5.5 Integrated Pest Management ( IPM ) concepts and strategies/practices

5.6 Precision and protected agriculture: Concepts and technologies

5.7 Strategies for commercialization of high value low volume commodities

5.8 Concept of soil fertility and productivity

5.9 Essential plant nutrients and their sources (manures and fertilizers)

5.10 Soil reaction (pH) and soil reaction improvement

5.11 Concept of Integrated Plant Nutrient Systems ( IPNS ) and its significance

5.12 Agricultural markets and marketing in Nepal

5.13 Current Agriculture Census

5.14 Postharvest management of agricultural commodities



परिक्षाको किसिम

तपशिल

परिक्षाको किसिम	प्रश्न संख्या	अंक सार	जम्मा पूणा/३०	समय
लिखित परिक्षा				
१) वस्तुगत	५०	२	१००	४५ मिनेट
२) विषयगत	१०	१०	१००	३ घण्टा
अन्तरवाता	-	२०	२०	-